

Name _____

Block _____

Skills Test – Ratios and Unit Rates

Find the missing number to create equivalent ratios.

1. $\frac{3}{4} = \frac{\quad}{12}$

2. $\frac{\quad}{5} = \frac{10}{25}$

3. $\frac{4}{\quad} = \frac{12}{21}$

4.

5.

6.

$3:8 = 9:\quad$

$3:10 = \quad: 90$

$\quad:7 = 32: 56$

Simplify to find the value of the ratios.

7. $6:8 \quad \quad \quad$

8. $30:45 \quad \quad \quad$

9. $14:21 \quad \quad \quad$

Use the table below to write each ratio.

1. blue T-shirts to green T-shirts

2. purple T-shirts to yellow T-shirts

3. blue and green T-shirts to purple and yellow T-shirts

4. red T-shirts to all T-shirt colors

Store T-shirt Inventory, by Color	
Red	12
Blue	18
Green	20
Purple	25
Yellow	15

Complete each table below and write an equation.

X	Y
1	
2	
3	
4	20
5	

A	B
3	
9	18
15	

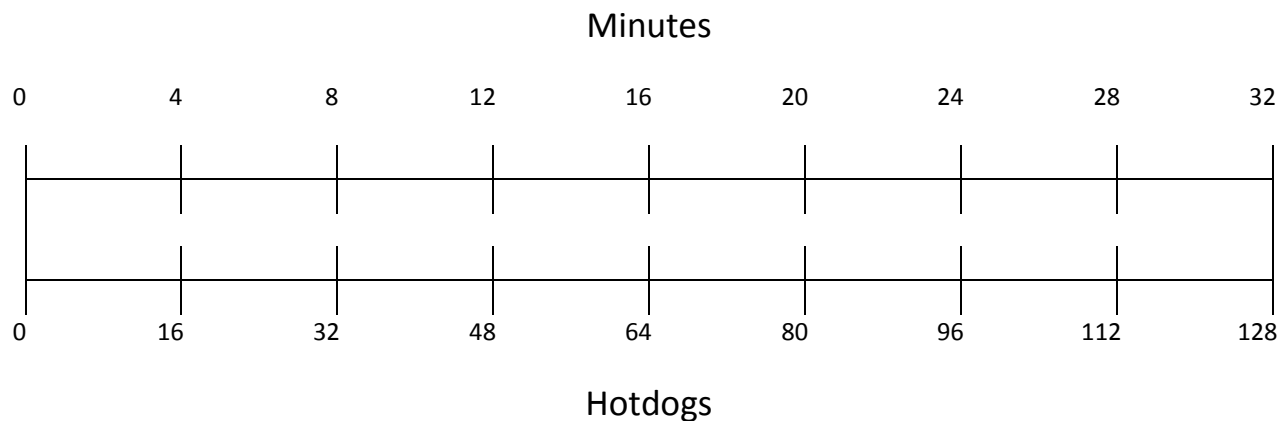
G	H
12	36
16	
	60

$Y = \underline{\hspace{2cm}} * X$

$B = \underline{\hspace{2cm}}$

$H = \underline{\hspace{2cm}}$

Mr. Chow champion hotdog eater can eat 16 hotdogs in 4 minutes. Use the double line diagram below to answer the questions.



How many hotdogs could Mr. Chow eat in 10 minutes? Show your work.

How long would it take Mr. Chow to eat 100 hotdogs? Show your work.

Sarah is doing her back-to-school shopping. Calculate all of the missing values in the table below, rounding to the nearest penny, and calculate the total amount Sarah will spend on her outfit after she received the indicated discounts and calculate the amount Sarah saved.

	Shirt (25% discount)	Pants (30% discount)	Shoes (15% discount)	Necklace (10% discount)	Sweater (20% discount)
Original Price	\$36			\$16	
Amount of Discount		\$12	\$15		
Amount Paid					\$24

Sarah spent a total of _____ on her outfit.

Sarah saved a total of _____.